

## Phos-tag application data

Analysis of ovalbumin phosphorylation status  
 ~ neutral pH SDS-PAGE with Zn<sup>2+</sup>-Phos-tag ~

### ● SAMPLE INFORMATION

		MW (kDa)
Protein	ovalbumin	45
Protein status	normal	-

### ● ELECTROPHORESIS CONDITION

Gel	10% polyacrylamide
Phos-tag conc.	100μM Mn <sup>2+</sup> or 100μM Zn <sup>2+</sup>
Metal complex	

Visualization	CBB
Antibody	-

### ● ASSAY FLOW

- 1 AP treatment of ovalbumin
- 2 Phos-tag electrophoresis
- 3 CBB stain

### ● RESULT

• Separation of monophosphorylated isoforms was improved by Zn<sup>2+</sup>-Phos-tag gel, and those existence ratio was distinguished.

### ● NOTE

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### ● REFERENCE

Separation and identification of four distinct serine-phosphorylation states of ovalbumin by Phos-tag affinity electrophoresis. Kinoshita-Kikuta E, Kinoshita E, Koike T. : *Electrophoresis* , **33**, 849 (2012)

key words : ovalbumin, Mn<sup>2+</sup>-Phos-tag, Zn<sup>2+</sup>-Phos-tag,